

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

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*Note*

PATENT NO. : 7,106,821 *B2*  
APPLICATION NO. : 09/804,744  
ISSUE DATE : September 12, 2006  
INVENTOR(S) : Takashi Usui, Ralf Boehnke, Thomas Doelle, and Tino Konschak

*Note*

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

*UPDATING* Title Page Item (57)

The Abstract should read --A data modulation method and a data modulation device and a communication device are provided in which a reference symbol is optimized in order to contain the structure of "IA-A-IA-A-A-IA-A-IA" and is allocated to sub-carriers of an OFDM symbol. More specifically, by designing the structure of a preamble of the time domain, distinction from other communication systems is achieved along with clock synchronization. Also, a series having a low peak average ratio and a dynamic range has been adopted for the sync symbol used in the OFDM. Since generation and detection processing can be conducted utilizing a generation device and a detection device of the sync preamble used in a conventional system, this system has an advantage in increasing the common use of an LSI chip. The sync series is divided into 2 parts, A and B, rather than to one B region and has a simple construction.--

Column 10, Line 39, "Flow" should read --F<sub>pow</sub>--;

Column 13, Line 21, "TEEE802" should read --IEEE802--

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MAILING ADDRESS OF SENDER (Please do not use customer number below):  
Dennis M. Smid, Esq.  
LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP  
600 South Avenue West  
Westfield, New Jersey 07090

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MAR - 8 2007.